

11-30-2001

Form PTO-1595 **PATE**  
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**EET** U.S. DEPARTMENT OF COMMERCE

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

|   |   |
|---|---|
| <b>1. Name of conveying party(ies):</b><br>Vimal Ramannhai Patel<br>Curtis Walter Preuss<br>Daniel Guy Young<br>Additional name(s) of conveying party(ies) attached?<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No                                  | <b>2. Name and address of receiving party(ies):</b><br><b>Name: International Business Machines Corporation</b><br>Internal Address:<br><br>Street Address: <b>New Orchard Road</b><br>City: <b>Armonk</b> State: <b>New York</b> ZIP: <b>10504</b><br><br>Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <b>3. Nature of conveyance:</b><br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Other<br>Execution Date: November 20, 2001 |   |

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| <b>4. Application number(s) or patent number(s):</b><br><br>If this document is being filed together with a new application, the execution date of the application is: November 20, 2001 |                  |
| a. Patent Application No.(s)<br><b>ROC920010214US1</b><br>Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                               | b. Patent No.(s) |

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| <b>5. Name and address of party to whom correspondence concerning document should be mailed:</b><br><br>Name: <b>Joan Pennington</b><br><br>Internal Address: <b>Unit 1804</b><br><br>Street Address:<br><b>535 North Michigan Avenue</b><br><br>City: <b>Chicago</b> State: <b>IL</b> ZIP: <b>60611</b> | <b>6. Total number of applications and patents involved: 1</b><br><br><b>7. Total fee (37 CFR 3.41)..... \$ 40.00</b><br><input type="checkbox"/> Enclosed<br><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br><br><b>8. Deposit account number:</b><br><b>09-0465 of IBM Corporation</b><br><br>(Attach duplicate copy of this page if paying by deposit account) |
|--|--|

**9. Statement and signature.**  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**Joan Pennington**  
Name of Person Signing

*Joan Pennington* November 21, 2001  
Signature Date Total number of pages: 3

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**PATENT**  
**REEL: 012323 FRAME: 0971**

**ASSIGNMENT**

Whereas, we

- |     |  |   |
|-----|--|---|
| (1) | Vimal Ramannhai Patel<br>County of Olmsted | City of Rochester,<br>and State of Minnesota, |
| (2) | Curtis Walter Preuss<br>County of Olmsted  | City Rochester,<br>and State of Minnesota,    |
| (3) | Daniel Guy Young<br>County of Olmsted      | City Rochester,<br>and State of Minnesota,    |

have invented certain improvements in

**VOLTAGE LEVEL SHIFTER AND PHASE SPLITTER**

and have executed, respectively, a United States patent application therefor on

Dates

Inventors Signed

|             |     |             |        |     |             |        |
|-------------|-----|-------------|--------|-----|-------------|--------|
| Declaration | (1) | November 20 | , 2001 | (2) | November 20 | , 2001 |
|             | (3) | November 20 | , 2001 |     |             |        |

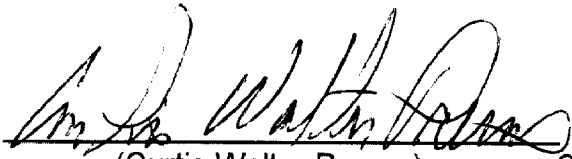
And whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

**Signed**

Inventor (1) at Rochester, MN  Inventor Signature  
(Vimal Ramannhai Patel)  
First Name Initial Last Name

on 11/20/, 2001.

Inventor (2) at Rochester, MN  Inventor Signature  
(Curtis Walter Preuss)  
First Name Initial Last Name

on 11-20-2001, 2001.

Inventor (3) at Rochester, MN  Inventor Signature  
(Daniel Guy Young)  
First Name Initial Last Name

on 11/20/2001, 2001.